



JUN 30 2004

TECH CENTER 1600/2900

## **AMENDMENT TO CLAIMS**

[Deleted material is struck-through and added material is underlined]

1. (Previously Presented) A composition for treating symptoms and conditions associated with aging, the composition including an active ingredient comprising:  
one of

an aqueous extract of buckwheat seed,  
a fractionation product of an aqueous extract of buckwheat seed, and  
a combination of said aqueous extract of buckwheat seed and said fractionation product of said aqueous extract of buckwheat seed,

wherein the active ingredient contains polymers having 4 to 9 monomer units having a molecular weight of from about 1,000 to about 10,000,

wherein the composition activates a function of the brain's activity.

2. (Original) The composition according to Claim 1, wherein the aqueous extract of buckwheat seed has a molecular weight of about 1500 or more.

3. (Original) The composition according to Claim 1, wherein the composition activates the function of the brain's activity for alleviating and treating symptoms and conditions caused by dementia.

4. (Original) The composition according to Claim 2, wherein the composition activates the function of the brain's activity for alleviating and treating symptoms and conditions caused by dementia.

5. (Original) The composition according to Claim 1, wherein the composition activates the function of the brain's activity for alleviating and treating symptoms and conditions caused by Alzheimer's syndrome.

6. (Original) The composition according to Claim 2, wherein the composition activates the function of the brain's activity for alleviating and treating symptoms and conditions caused by Alzheimer's syndrome.

7. (Original) The composition according to Claim 1, wherein the composition activates the function of the brain's activity for inhibiting lipid peroxide.

8. (Original) The composition according to Claim 2, wherein the composition activates the function of the brain's activity for inhibiting lipid peroxide.

9. (Original) The composition according to Claim 1, wherein the composition activates the function of the brain's activity for treating hyperlipemia.

10. (Original) The composition according to Claim 2, wherein the composition activates the function of the brain's activity for treating hyperlipemia.

11. (Original) The composition according to Claim 1, wherein the composition activates the function of the brain's activity for lowering triacylglycerol levels.

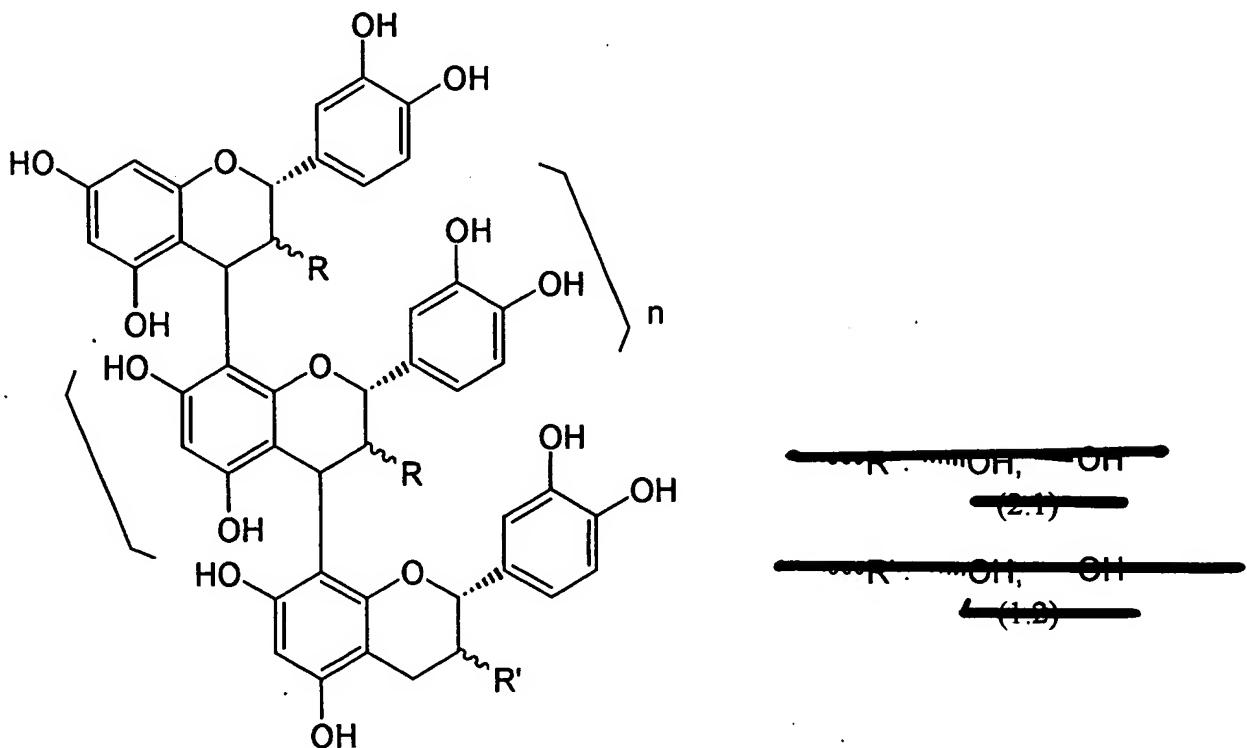
12. (Original) The composition according to Claim 2, wherein the composition activates the function of the brain's activity for lowering triacylglycerol levels.

13. (Original) The composition according to Claim 1, wherein the composition activates the function of the brain's activity for lowering cholesterol levels.

14. (Original) The composition according to Claim 2, wherein the composition activates the function of the brain's activity for lowering cholesterol levels.

15. (Original) The composition according to Claim 1, wherein the polymer having four to nine monomer units comprises a catechin-epicatechin polymer having four to nine monomer units.

16. (Currently Amended) The composition according to Claim 1, wherein the **polymer polymers** having four to nine monomer units consist essentially of comprises a catechin-epicatechin **polymers polymer** of the formula:



wherein n has a value of from 2 to 7, and

R is

..... OH and — OH and the ratio of ..... OH to — OH is 2 to 1,

---

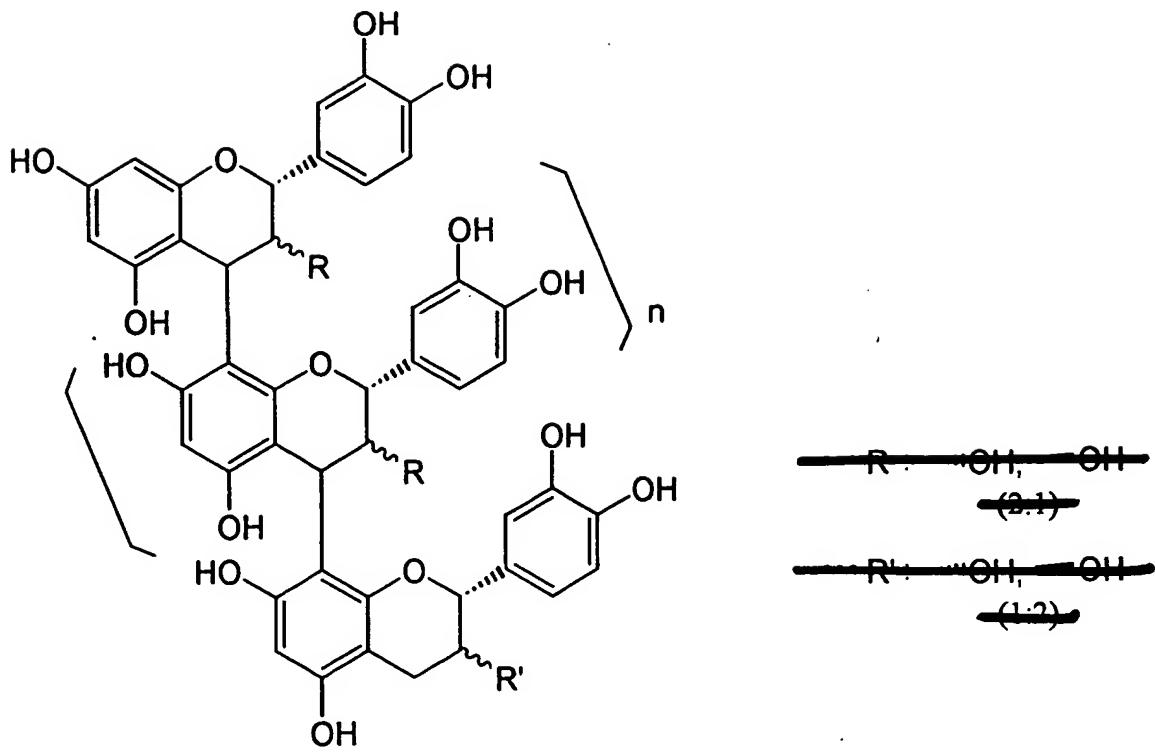
R' is

..... OH and — OH and the ratio of ..... OH to — OH is 1 to 2

---

giving a ratio of catechin to epicatechin in the upper terminal and middle of 2 to 1 and a 1 to 2 ratio of catechin to epicatechin in the lower terminal.

17. (Original) The composition of claim 16 wherein n has a value of 3.
  18. (Original) The composition of claim 16 wherein n has a value of 5.
  19. (Original) The composition of claim 16 wherein n has a value of 7.
  20. (Original) The composition of claim 2 wherein the catechin-epicatechin polymer comprises an catechin-epicatechin oligomer.
21. (Currently Amended) A method of improving the memory of animals comprising administering to said animals an effective amount of a composition having an active ingredient comprising:
- one of
- an aqueous extract of buckwheat seed,
- a fractionation product of an aqueous extract of buckwheat seed, and
- a combination of said aqueous extract of buckwheat seed and said fractionation product of said aqueous extract of buckwheat seed,
- wherein the active ingredient contains polymers having 4 to 9 monomer units having a molecular weight of from about 1,000 to about 10,000, and
- wherein the polymers having 4 to 9 monomer units consist essentially of
- ~~comprises a~~ catechin-epicatechin polymers polymer of the formula:



wherein n has a value of from 2 to 7, and

R is

..... OH and — OH and the ratio of ..... OH to — OH is 2 to 1,

---

R' is

..... OH and — OH and the ratio of ..... OH to — OH is 1 to 2

---

giving a ratio of catechin to epicatechin in the upper terminal and middle of 2 to 1 and a 1 to 2 ratio of catechin to epicatechin in the lower terminal.